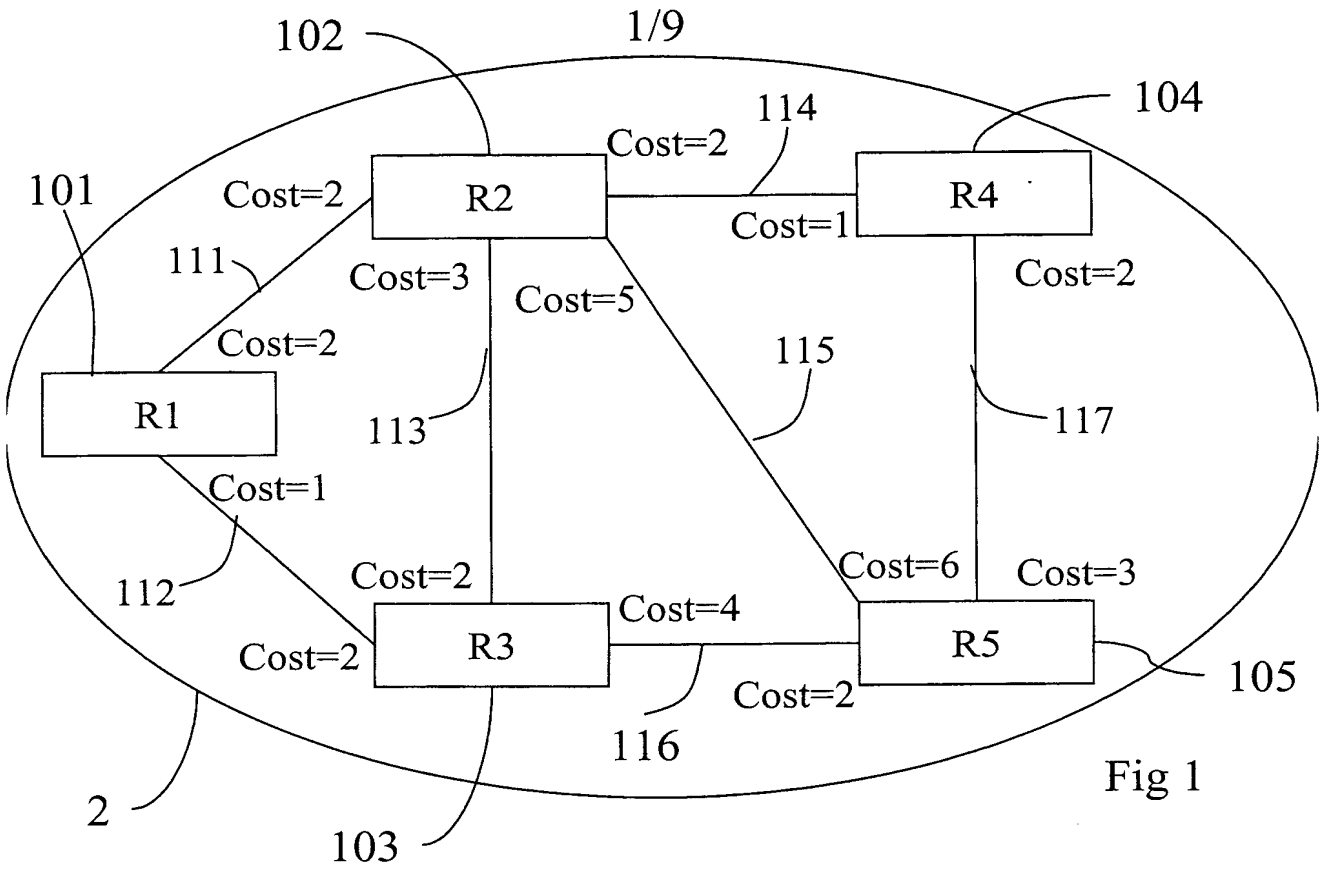

102
104
114
Cost=2
101
Cost=2
R2
R4
Cost=1
111
Cost=3
Cost=5
Cost=2
Cost=2
115
R1
113
117
Cost=1
112
Cost=2
Cost=6
Cost=3
Cost=4
Cost=2
R3
R5
105
Cost=2
116
2
103

Fig 1

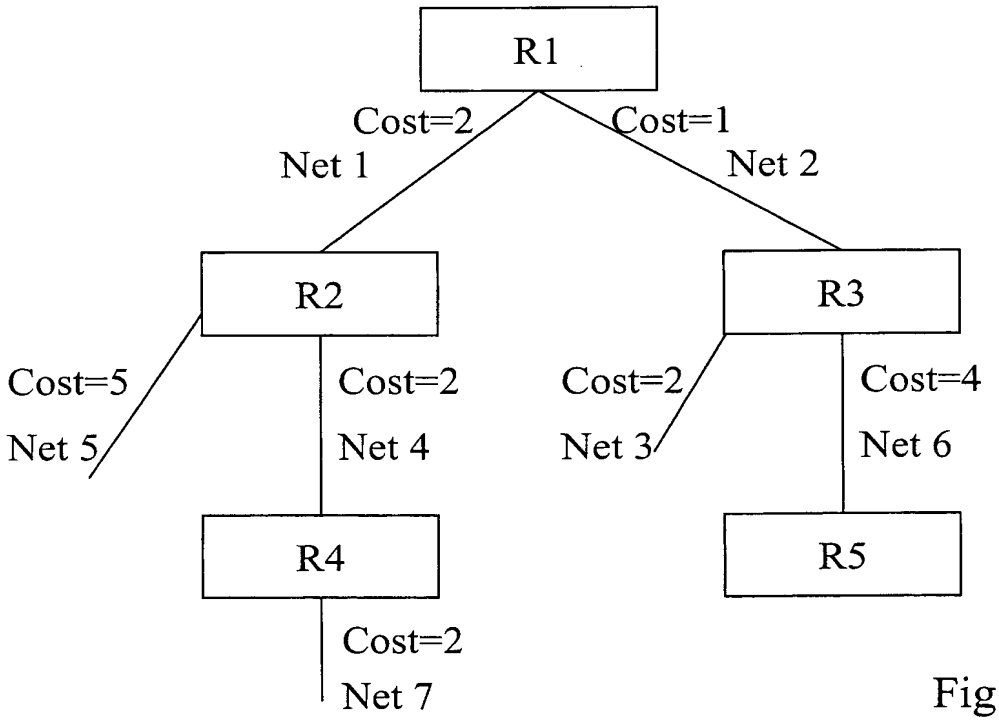

R1
Cost=2
Net 1
Cost=1
Net 2
R2
R3
Cost=5
Net 5
Cost=2
Net 4
Cost=2
Net 3
Cost=4
Net 6
R4
R5
Cost=2
Net 7

Fig 2

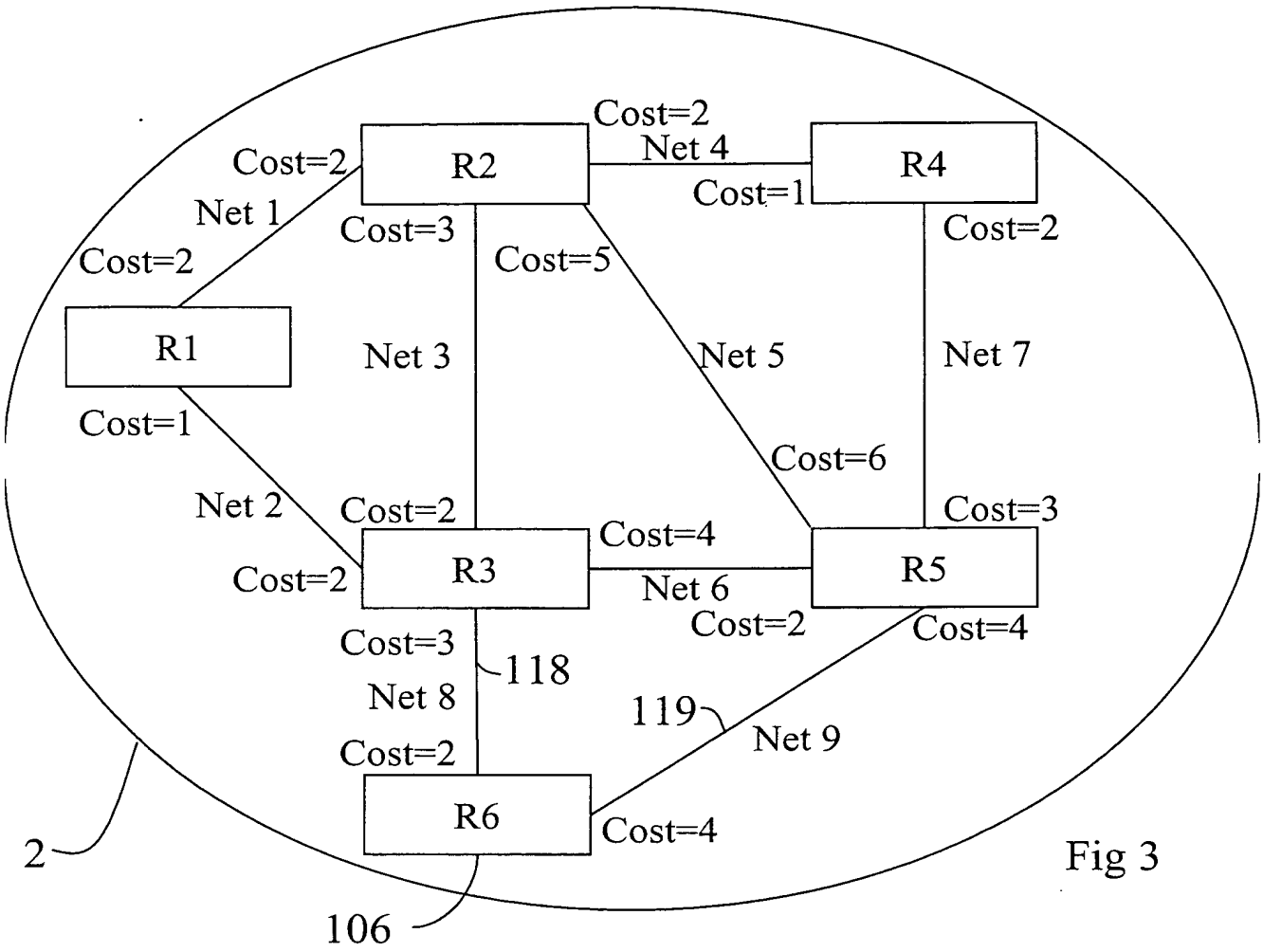

R1
R2
R3
R4
R5
R6
Cost=2
Net 4
Cost=2
Net 1
Cost=1
Cost=3
Cost=5
Cost=2
Cost=2
Net 3
Net 5
Net 7
Cost=1
Cost=6
Net 2
Cost=2
Cost=3
Cost=4
Cost=2
Net 6
Cost=2
Cost=4
Cost=3
118
Net 8
119
Net 9
Cost=2
Cost=4
2
106

Fig 3

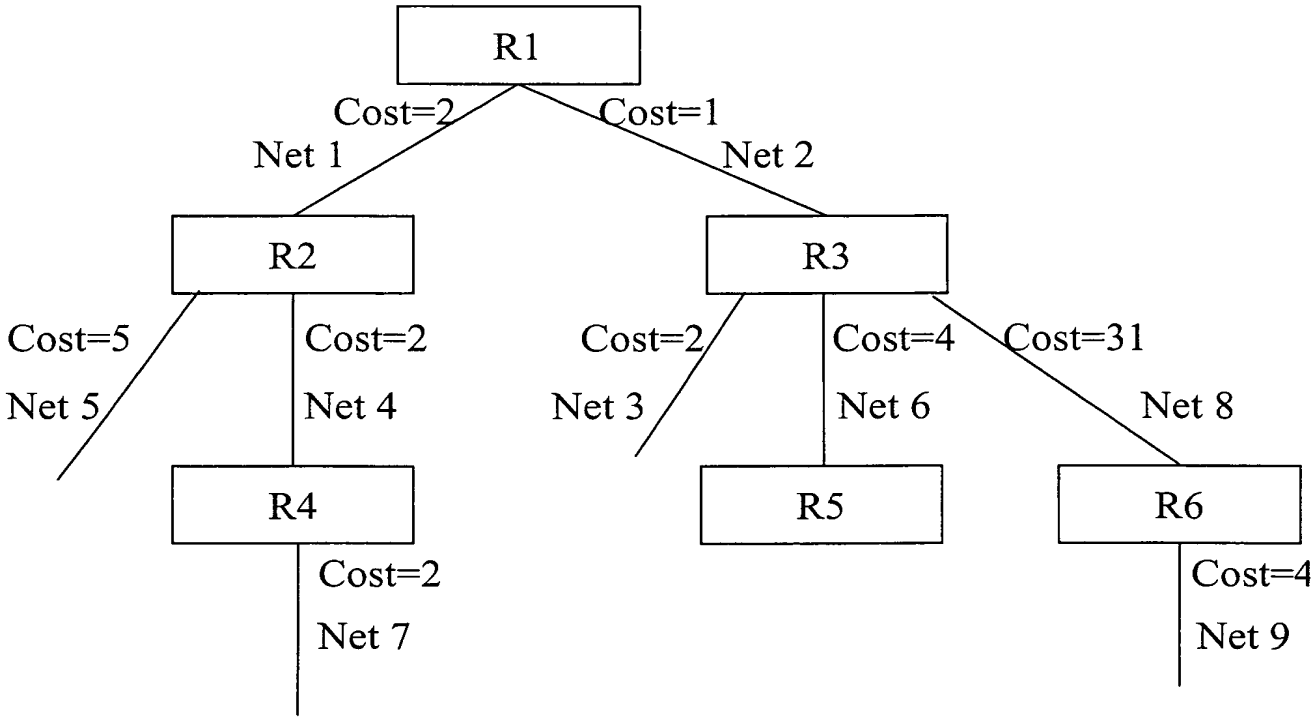

R1
Cost=2
Cost=1
Net 1
Net 2
R2
R3
Cost=5
Cost=2
Cost=2
Cost=4
Cost=31
Net 5
Net 4
Net 3
Net 6
Net 8
R4
R5
R6
Cost=2
Cost=4
Net 7
Net 9

Fig 4

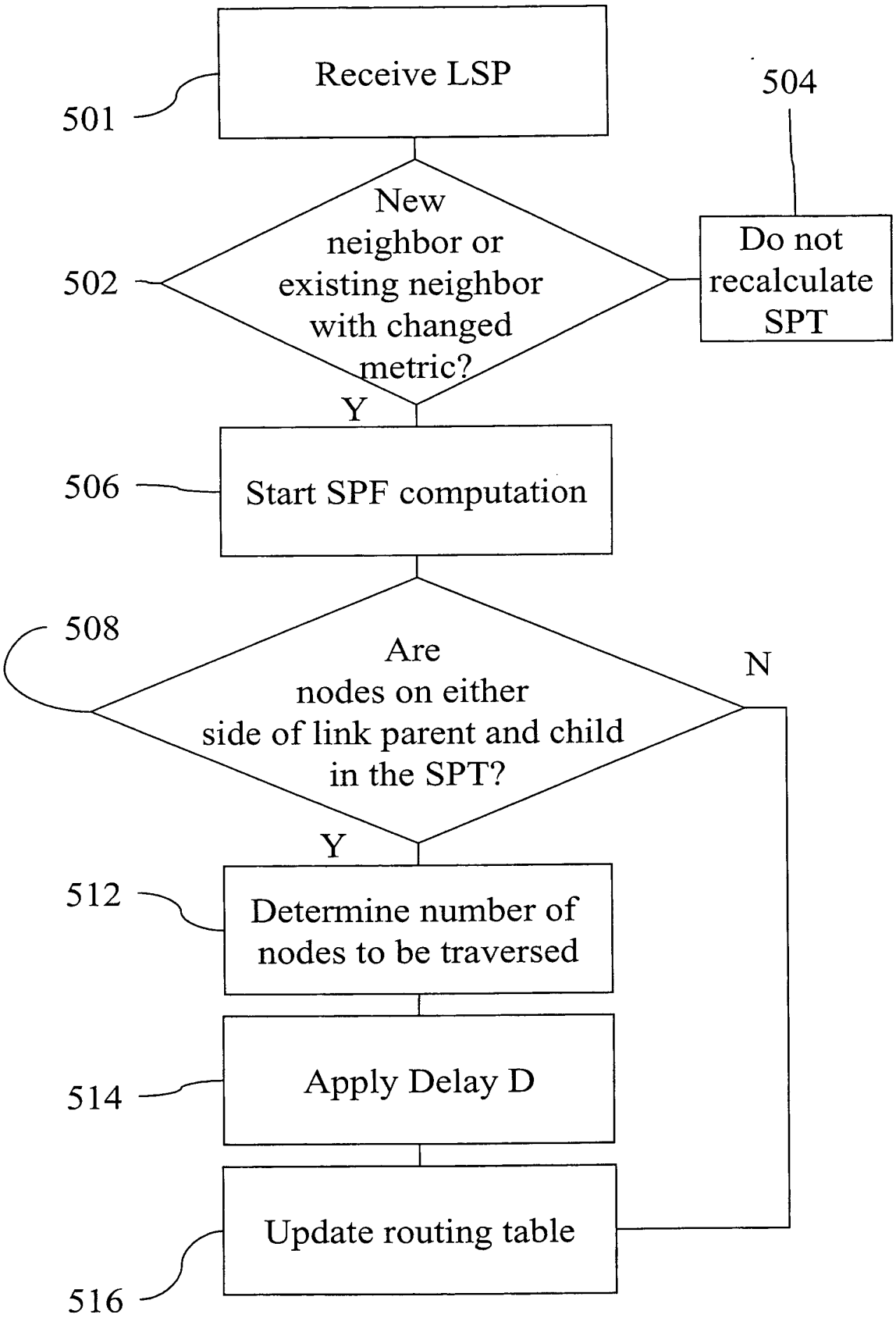

Receive LSP
501
504
New neighbor or existing neighbor with changed metric?
502
Do not recalculate SPT
Y
Start SPF computation
506
508
Are nodes on either side of link parent and child in the SPT?
N
Y
Determine number of nodes to be traversed
512
Apply Delay D
514
Update routing table
516

FIG 5

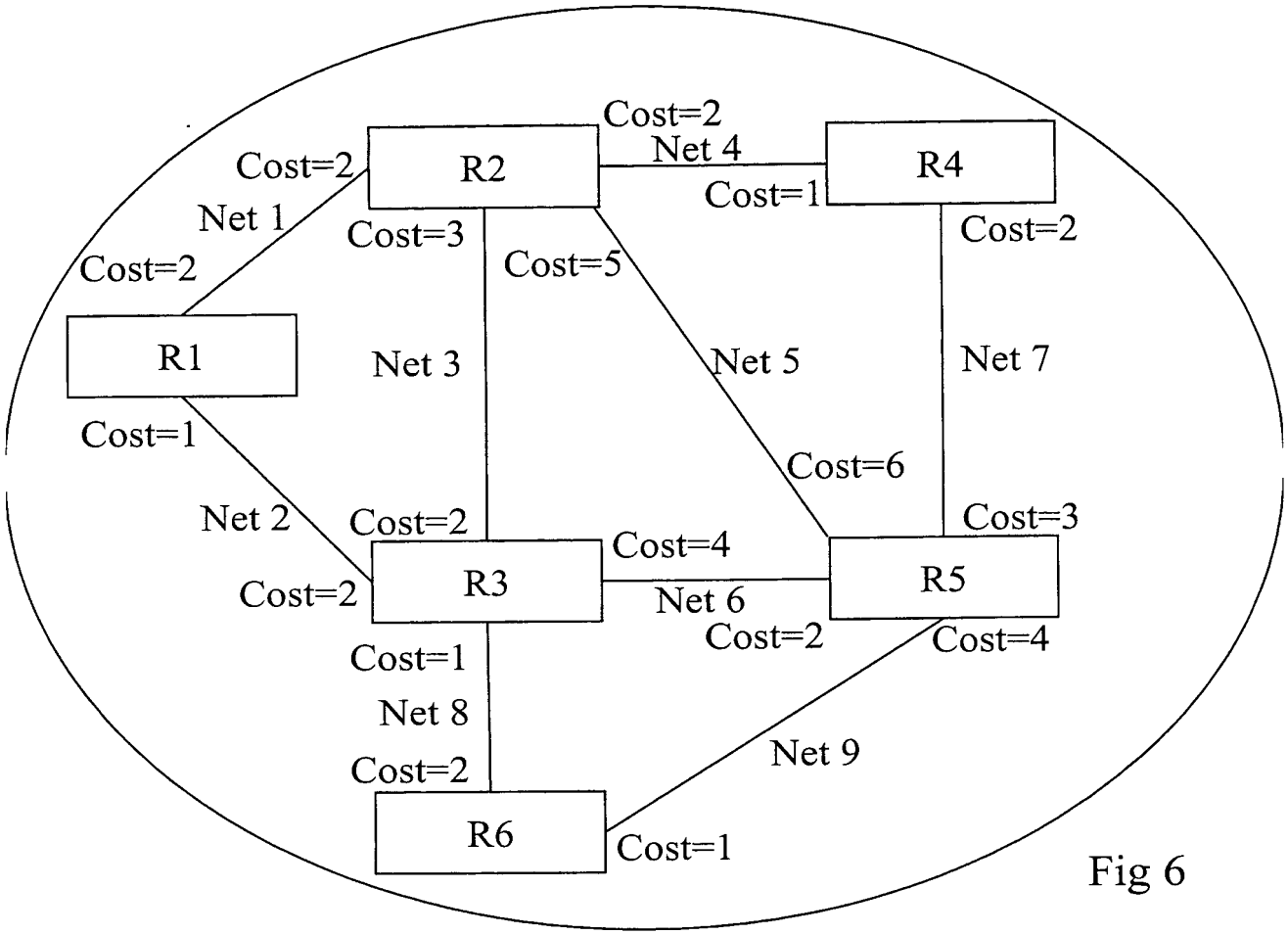

R1
R2
R3
R4
R5
R6
Net 1
Net 2
Net 3
Net 4
Net 5
Net 6
Net 7
Net 8
Net 9
Cost=2
Cost=2
Cost=3
Cost=5
Cost=1
Cost=2
Cost=1
Cost=2
Cost=4
Cost=6
Cost=2
Cost=3
Cost=2
Cost=4
Cost=1
Cost=2
Cost=1

Fig 6

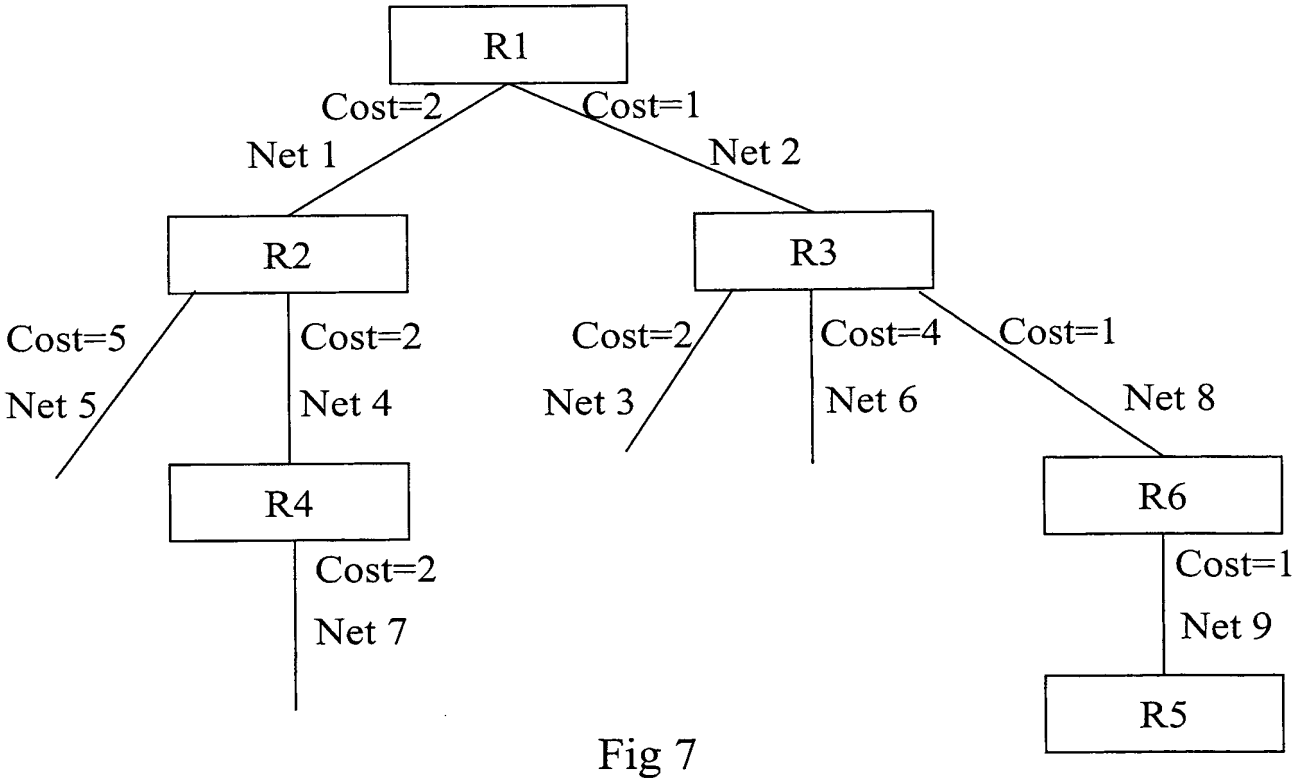

R1
Cost=2
Cost=1
Net 1
Net 2
R2
R3
Cost=5
Net 5
Cost=2
Net 4
Cost=2
Net 3
Cost=4
Net 6
Cost=1
Net 8
R4
Cost=2
Net 7
R6
Cost=1
Net 9
R5

Fig 7

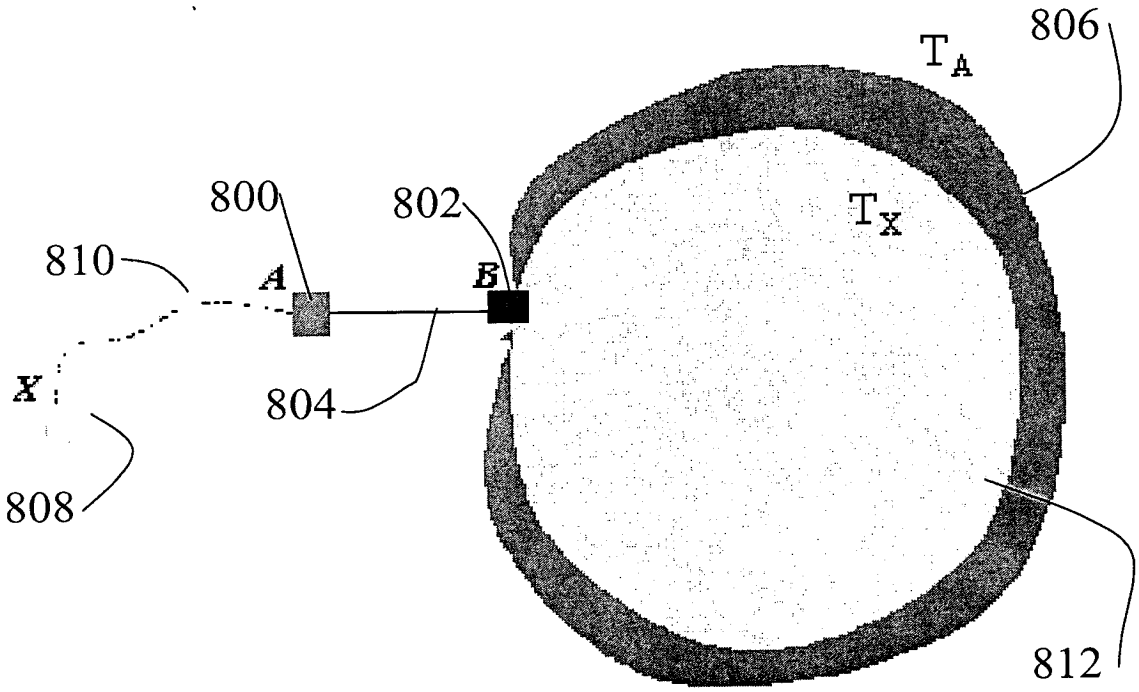


Fig. 8

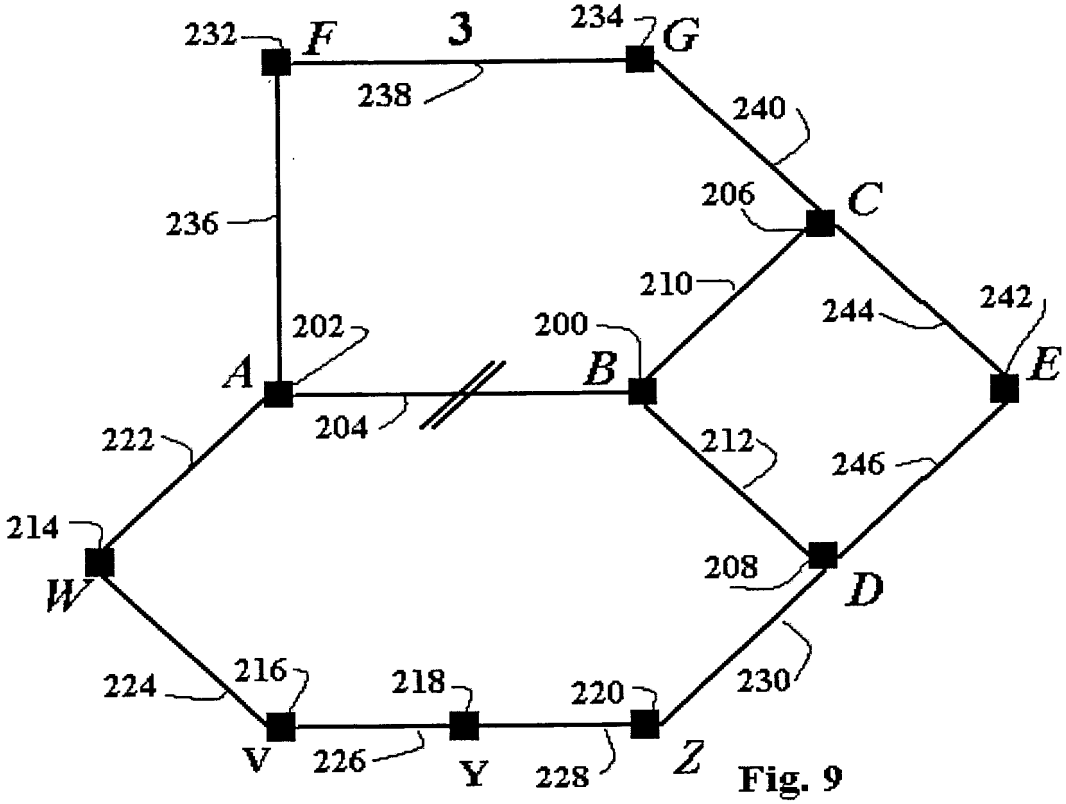

232
F
3
234
G
238
240
206
C
236
210
242
244
200
202
A
B
E
204
222
212
246
214
208
W
D
224
216
218
220
230
V
226
Y
228
Z

Fig. 9

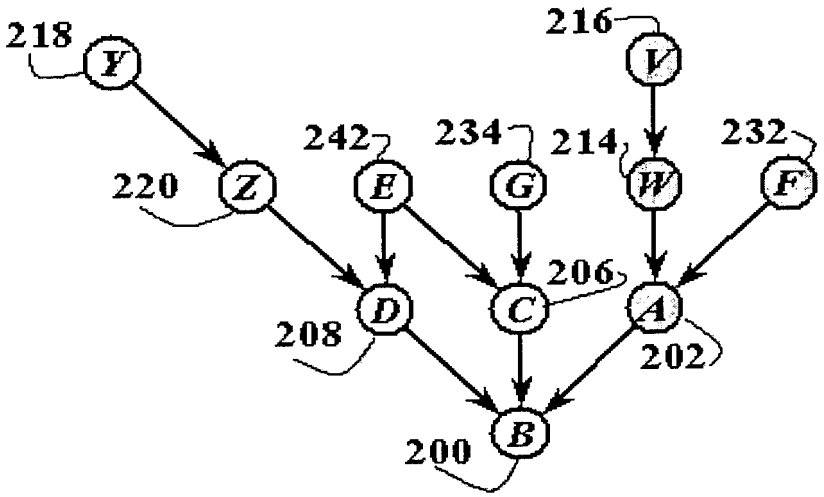


Fig. 10

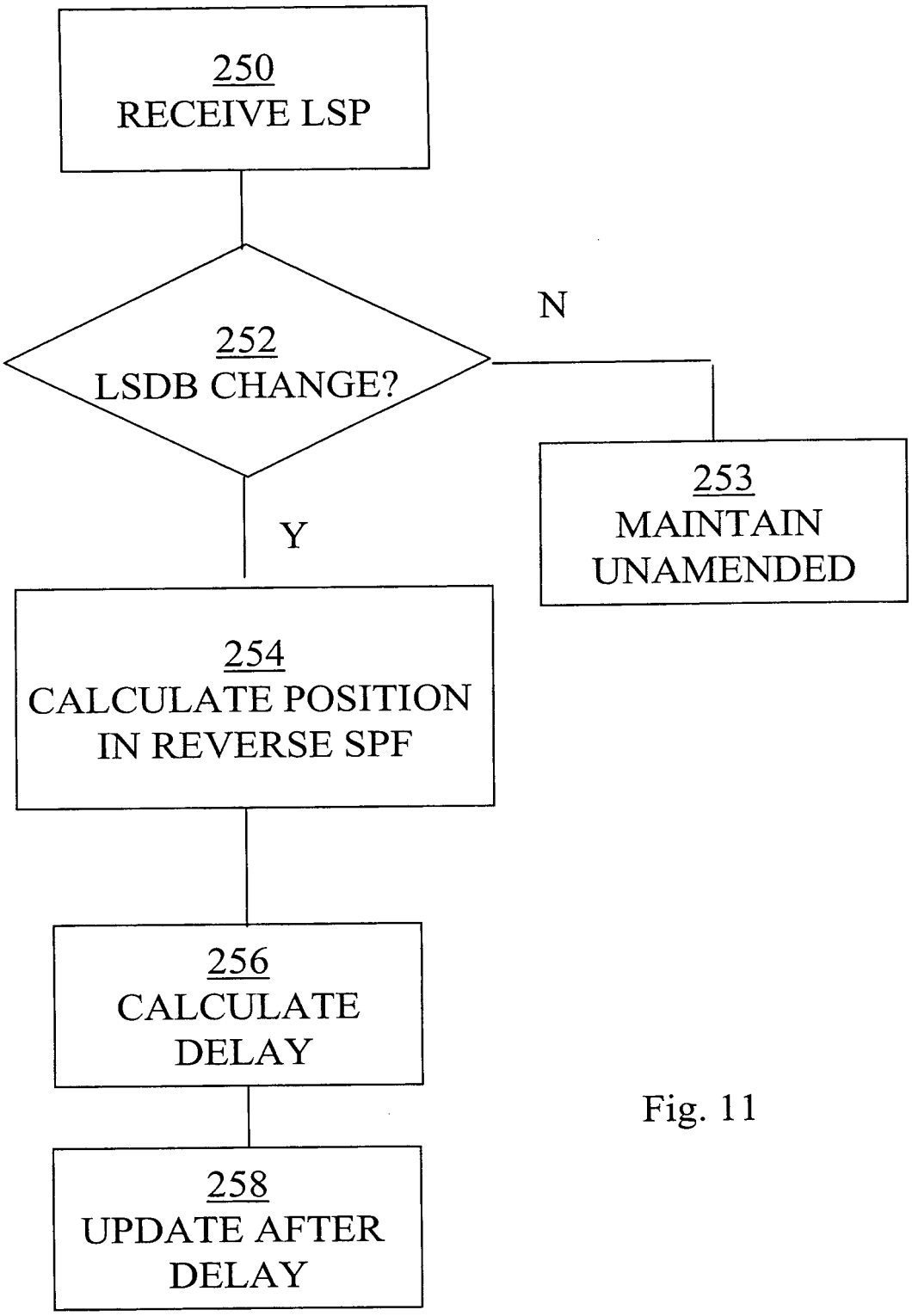
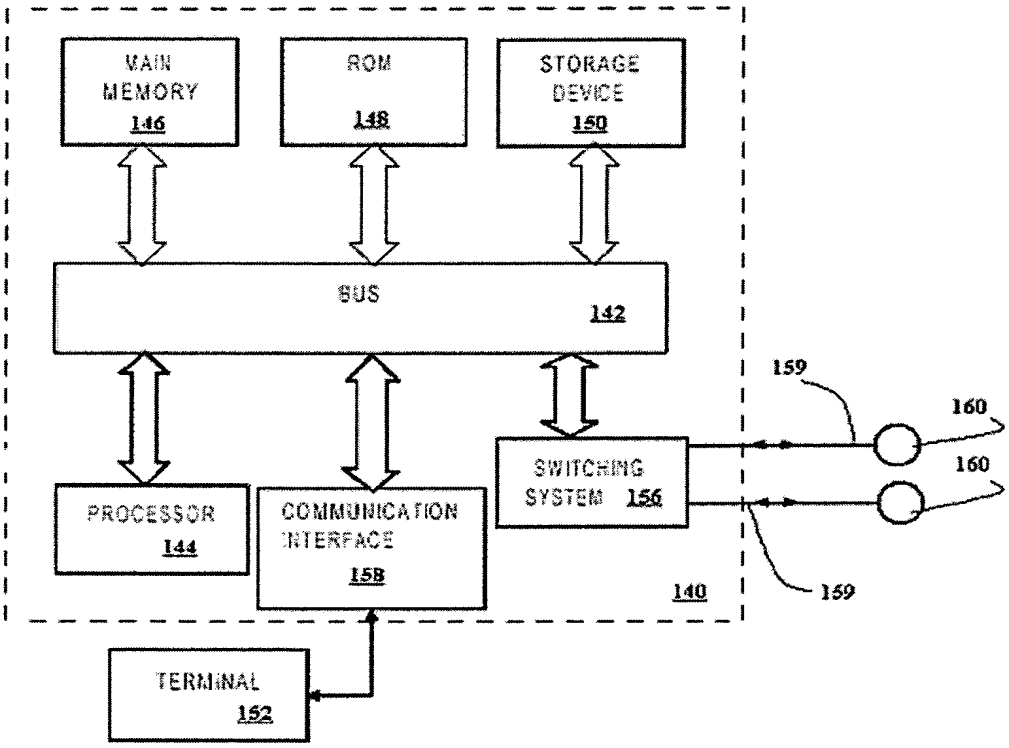

250
RECEIVE LSP
252
LSDB CHANGE?
N
253
MAINTAIN
UNAMENDED
Y
254
CALCULATE POSITION
IN REVERSE SPF
256
CALCULATE
DELAY
258
UPDATE AFTER
DELAY

Fig. 11

FIG. 12


MAIN MEMORY 146
ROM 148
STORAGE DEVICE 150
BUS 142
PROCESSOR 144
COMMUNICATION INTERFACE 158
SWITCHING SYSTEM 156
TERMINAL 152
140
159
160
160
159